

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): A magnetic recording medium comprising a substrate, a soft magnetic layer, a perpendicular magnetic layer, and a protective layer, the layers being provided atop the substrate, wherein the perpendicular magnetic layer comprises a magnetic crystalline alloy comprising Pt in an amount of 40 at% to 60 at%, and at least two 3d transition metal elements selected from the group consisting of Cr, Mn, Fe, Co, Ni, and Cu, wherein the total amount of the 3d transition metal elements is from 60 at% to 40 at%, and the average number of valence electrons in the respective 3d transition metal elements as calculated on the basis of the compositional proportions of the elements is from 7.5 to 8.55.

2. (currently amended): A magnetic ~~alloy~~recording medium according to claim 1, which has an order parameter (S) of 0.5 to 1 as calculated from the following formula:

$$S = [\{F(002)^2/F(001)^2\} \times \{L(002)/L(001)\} \times \{A(002)/A(001)\} \times \{I(001)/I(002)\}]^{1/2}$$

wherein F(plane direction), L(plane direction), A(plane direction), and I(plane direction) represent the structure factor, Lorentz factor, absorption factor, and integration intensity as measured through X-ray diffractometry ( $\theta/2\theta$ ) of the magnetic alloy in the corresponding plane direction, respectively.

3. (currently amended): A magnetic ~~alloy~~recording medium according to claim 1 or 2, which has a magnetic anisotropy constant (Ku) of  $8 \times 10^5$  J/K to  $2 \times 10^7$  J/K.

4. (canceled).

5. (currently amended): A magnetic recording and reproducing apparatus comprising a magnetic recording medium as recited in claim [[4]]1, and a magnetic head for recording of data onto the medium and for reproduction of the data therefrom.